

**COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**SYSTEM AND METHOD FOR COMBINING MULTIPLE SATELLITE CHANNELS INTO A VIRTUAL COMPOSITE CHANNEL**

the specification of which (check one)        is attached hereto or X was filed on 11/12/99 as Application No. 09/438,865 and was amended on        (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)	Priority Claimed Yes	Priority Claimed No
Number	Country	Day/Month/Year Filed
Number	Country	Day/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) below.

<u>60/142,179</u>	<u>July 1, 1999</u>
Application Number	Filing Date

<u>                        </u>	<u>                        </u>
Application Number	Filing Date

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>                        </u>	<u>                        </u>	<u>Status: Patented, Pending, Abandoned</u>
Application Number	Filing Date	Status: Patented, Pending, Abandoned

I HEREBY APPOINT THE FOLLOWING AS MY ATTORNEYS WITH FULL POWER OF SUBSTITUTION TO PROSECUTE THIS APPLICATION AND TRANACT ALL BUSINESS IN THE PATENT OFFICE CONNECTED THEREWITH:

Karl A. Limbach	18,689	Mark A. Dalla Valle	34,147	Mayumi Maeda	40,075
George C. Limbach	19,305	Charles P. Sammut	28,901	Kent J. Tobin	39,496
John K. Uilkema	20,282	Mark C. Pickering	36,239	Michael R. Ward	38,651
Neil A. Smith	25,441	Patricia Coleman James	37,155	Roger S. Sampson	44,314
Veronica C. Devitt	29,375	Kathleen A. Frost	37,326	Tina Chen	44,606
Ronald L. Yin	27,607	Alan S. Hodes	38,185	Charles L. Hamilton	42,624
Gerald T. Sekimura	30,103	Alan A. Limbach	39,749	Andrew V. Smith	43,132
Michael A. Stallman	29,444	Douglas C. Limbach	35,249	Heath W. Hoglund	41,076
Philip A. Girard	28,848	Seong-Kun Oh*		J. Thomas McCarthy	22,420
Michael J. Pollock	29,098	Cameron A. King	41,897	Joel G. Ackerman	24,307
Stephen M. Everett	30,050	Kyla L. Harrel	41,816		
Alfred A. Equitz	30,922				

\* Recognition under 37 CFR 10.9(b)

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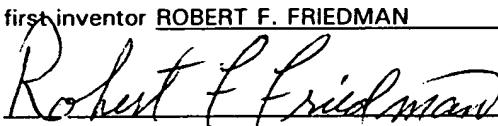
Send correspondence to      Limbach & Limbach L.L.P.  
Attn: Charles L. Hamilton  
2001 Ferry Building  
San Francisco, CA 94111  
Telephone: 415/433-4150

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor ROBERT F. FRIEDMAN

Inventor's signature



2/12/00

Date

Residence 4 Lover Lane, Fayetteville, Arkansas 72701

Citizenship USA

Post Office Address 4 Lover Lane, Fayetteville, Arkansas 72701

Express Mail Number EL254065977US

Applicant or Patentee: Robert F. Friedman

Appln. or Patent No.: 60/142,179

Filed or Issued: July 1, 1999

For: METHOD AND APPARATUS FOR COMBINING MULTIPLE SATELLITE CHANNELS INTO A VIRTUAL COMPOSITE CHANNEL

Attorney Docket No.: ITIC-400-USA

## VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) and 1.27(b)) - INDEPENDENT INVENTOR

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled METHOD AND APPARATUS FOR COMBINING MULTIPLE SATELLITE CHANNELS INTO A VIRTUAL COMPOSITE CHANNEL described in

- the specification filed herewith with title as listed above.  
 application no. 60/142,179, filed July 1, 1999.  
 patent no. , issued .

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- no such person, concern, or organization  
 persons, concerns or organizations listed below \*

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27).

FULL NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
 Individual  Small Business Concern  Nonprofit Organization

FULL NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
 Individual  Small Business Concern  Nonprofit Organization

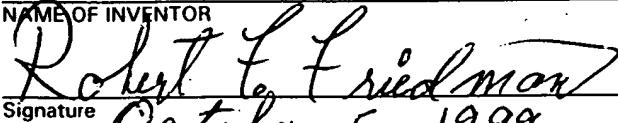
FULL NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
 Individual  Small Business Concern  Nonprofit Organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Robert F. Friedman  
NAME OF INVENTOR

Signature

  
October 5, 1999

Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Robert Friedman

Serial No.: To be assigned Group Art Unit: To be assigned

Filed: Herewith Examiner: To be assigned

Title: SYSTEM AND METHOD FOR COMBINING MULTIPLE SATELLITE CHANNELS INTO A VIRTUAL COMPOSITE CHANNEL

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CHANGE OF CORRESPONDENCE ADDRESS  
AND  
ASSOCIATE POWER OF ATTORNEY

Commissioner of Patents and Trademarks  
Washington, DC 20231

Sir:

I. CHANGE OF CORRESPONDENCE ADDRESS

Please change the Correspondence Address for the above-identified matter to:

[ X ] Customer Number

26379

Patent Department  
Attn.: K. Jun Kim  
Gray Cary Ware & Freidenrich LLP  
1755 Embarcadero Road  
Palo Alto, CA 94303-3340  
Phone: 650-320-7419  
Fax: 650-320-7401

New Attorney Docket No.: 2102462-991101

II. ASSOCIATE POWER OF ATTORNEY

Please recognize as Associate Patent Attorney in this case:

Barry N. Young (Reg. No. 27,774); Timothy W. Lose (Reg. No. 35,255); Steven R. Sprinkle (Reg. No. 40,825);  
Terrance A. Meador (Reg. No. 30,298); Ramsey R. Stewart (Reg. No. 38,322); June M. Learn (Reg. No.  
31,238); Timothy N. Ellis (Reg. No. 41,734); William G. Goldman (Reg. No. 42,590); Sheila Kirschenbaum  
(Reg. No. 44,835); Charles D. Gavrilovich, Jr. (Reg. No. 41,031); Gerald W. Maliszewski (Reg. No. 38054);

Hayward A. Verdun (Reg. No. 43,223); Armando Pastrana, Jr. (Reg. No. 44,997); Lisa A. Haile (Reg. No. 38,347); Sal Lim (Reg. No. 45,706); Joseph R. Baker, Jr. (Reg. No. 40,900); Richard J. Imbra (Reg. No. 37,643); Mark L. Berrier (Reg. No. 35,066); Mark M. Takahashi (Reg. No. 30,103; Eric N. Hoover (Reg. No. 37,355); George C. Limbach (Reg. No. 19,305); Ronald L. Yin (Reg. No. 27,607); Alan A. Limbach (Reg. No. 39,749); Edward B. Weller (Reg. No. 37,468); Peter R. Leal (Reg. No. 24,226); David Alberti (Reg. No. 43,465); Gerald T. Sekimura (Reg. No. 30,103); James P. Cleary (Reg. No. 45,843); K. Jun Kim (Reg. No. 43,335); Karl A. Limbach (Reg. No. 18,689);

GRAY CARY WARE & FREIDENRICH LLP

  
George C. Limbach  
Reg. No. 19,305  
Attorneys for Applicant

Dated: October 26, 2001

F003632-100001

FORM PTO-1595  
U.S. DEPARTMENT OF COMMERCE

RECORDATION FORM COVER SHEET

1-31-92

PATENTS ONLY

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

ROBERT F. FRIEDMAN

Additional name(s) of conveying party(ies) attached? [ ] Yes [ X ] No

3. Nature of Conveyance:

[X] Assignment [ ] Merger  
[ ] Security Agreement [ ] Change of Name

Execution Date: July 30, 2001

2. Name and address of receiving party(ies):

Name: VIRTUAL SATELLITE CORPORATION

Street Address: 4 Lovers Lane, Fayetteville, Arkansas 72701

Additional name(s) & address(es) attached? [ ] Yes [ X ] No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/438,865

B. Patent No.(s)

Additional numbers attached? [ ] Yes [ X ] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: K. Jun Kim (*Reg. No. 43,335*)  
Internal Address: Gray Cary Ware & Freidenrich LLP  
1755 Embarcadero Road  
Palo Alto, CA 94303  
(650) 320-7419

6. Total number of applications

1

and patents involved:

7. Total fee (37 CFR 3.41) . . . . . \$ 40.00

[ X ] Enclosed (Check No. \_\_\_\_\_)

[ ] Authorized to be charged to deposit account

8. Deposit account number: 07-1896

Please debit any underpayment or credit any overpayment to the above deposit account.

Our Order No. 2102462-900000

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

K. Jun Kim (*Reg. No. 43,335*)

Name of Person Signing

Signature

August 9, 2001

Date

Total number of pages comprising cover sheet: [ 1 ]

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, DC 20231

## ASSIGNMENT

WHEREAS, Robert F. Friedman made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled SYSTEM AND METHOD FOR COMBINING MULTIPLE SATELLITE CHANNELS INTO A VIRTUAL COMPOSITE CHANNEL

       issued as U.S Patent No. \_\_\_\_\_  
X filed as U. S. Serial No. 09/438,865  
       filed herewith

WHEREAS, VIRTUAL SATELLITE CORP., whose address is 4 Lovers Lane, Fayetteville, Arkansas 72702-3780, and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, effective as of the date this document is executed, hereby, without reservation;

1. Assign, transfer and convey to Assignee the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein, or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely

as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

IN WITNESS WHEREOF

Date 7/30/01



Robert F. Friedman

STATE OF ARKANSAS )  
COUNTY OF Washington ) ss.  
                        )

On July 30, 2001 before me, Juanita Newberry,  
Notary Public, personally appeared Robert F. Friedman,

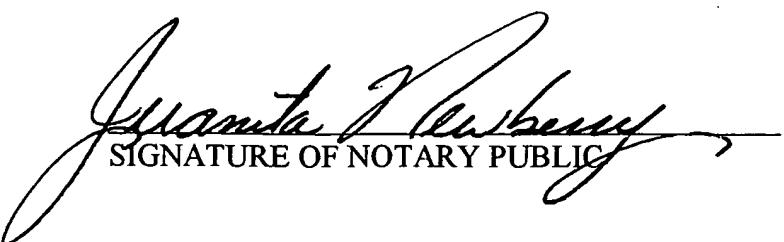
\_\_\_\_\_  
personally known to me

or

X proved to me on the basis of satisfactory evidence

to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

SIGNATURE OF NOTARY PUBLIC

(S E A L)